

HARP Fixes since version 21.11.02

1	Coordinate System: A warning message has been added to the Geometry and Dispersion windows to notify the user what HARP's default coordinate system is set to. The current coordinate system is now shown on window caption of the Geometry and Dispersion windows.
2	Facility Summary Reports: If there is no data available for the requested report, the user is notified with a message.
3	Dispersion: A warning message has been added to keep the source ID less than 8 characters.
4	Dispersion: A warning message has been added to notify the user that if the binary file generated by ISC is larger than 2Gb HARP cannot compute refined acute risk.
5	Risk: A warning message was added to notify the user which site parameters file is being used in the risk calculations.
6	Facility Window: HARP will now accept an apostrophe in a facility name
7	Facility Window/Add Facility Window: The tab button no longer randomly bounces around
8	Stack Window: The emissions displayed on the emissions tab in the risk window may have been mislabeled if a stack served multiple devices, and if the devices had different device IDs but the same process IDs. This has been fixed.
9	Process Data Window: On the process data entry window, the search features under the buttons Operating Hrs/Day and Operating Days/Wk were not working.
10	Process Window: The REIC will be automatically filled-in if the SIC and SCC are a valid combination.
11	Process Data Window: Corrected validation of process OUTPUT and ASH.
12	Emissions Data Window: The search features were not activated on the primary control, secondary control, ems calc method, reason for change buttons
13	Emissions Data Window: "Overflow" error corrected when converting certain UTM coordinates
14	Geometry Window: If a user places two consecutive property boundary points at the same location, then tries to generate property boundary receptors in the dispersion window, a fatal overflow error resulted. Added error checking to prevent crash when property boundary data is invalid.
15	Geometry Window: Fixed "Overflow" error that occurred when adding property boundary with IDs greater than 32,000
16	Transaction file: Fixed faulty import of "year of emission" field from transaction file.
17	Sensitive Receptors/Census Data: Fixed issue that would cause HARP to crash when all of the sensitive receptors were deleted.
18	Dispersion/ISC Files: Fixed the problem that caused the X/Y coordinates for the source to be set to zero in the INP file when "Convert all UTMs to zone" is set in the ISC workbook
19	Point Estimate Risk Scenario Window: Corrected typo in the "standard report set" button. There are 21 reports in the "standard report set".

20	Averaging Period Adjustment Factors for Screening Met (APAF): When using the APAF and the Step-Through, the APAF window was being unloaded. Made it non-modal; also added warning in stochastic analysis if GLCs have changed; also fixed problem with file name on APAF window not changing when radio button is clicked.
21	Point Estimate Risk Reports Window: The select single chemical button was not working properly. If you ran a risk report for “all chemicals” you got one value, but if you chose to run a risk report for “one chemical” you got a different answer and it is listed in the wrong place.
22	Risk Window: Fixed "Out of Script" error that occurs when importing certain EMS files.
23	Edit Facility/Change Coordinate System Window: Improved labels on the user input coordinates in the coordinate conversion and facility windows.
24	Dispersion Module: A blank dispersion workbook is now available as "startup.isc".
25	Dispersion Module: Improved definition of "UTM zone."
26	Dispersion Module/Grid Receptors: Old grid receptors will now automatically be deleted when a new grid is created.
27	Dispersion/Meteorology: When HARP reads a meteorology file, it will add the Upper Air Met Station and Surface Met Station names
28	Risk Module: Added a progress message in log window when loading emissions into risk window and when building drawing.
29	Risk Module/Emissions Tab: Added a warning that chemical is already listed.
30	Risk Module/APAF: The APAF feature has been deactivated in screening mode.
31	Risk Module/Refined Acute Analysis: Added ability to do an analysis for one receptor or multiple receptors.
32	Risk Module/Stochastic: Printer dialog did will now appear when printing the chart in the stochastic window
33	Risk Module/Mothers Milk Calculations: Corrected error in the calculation of the dose from the mother's milk pathway.
34	Risk Module/Multipathway Calculations: HARP now keeps track of the individual source contributions at pathway receptors during risk calculations.
35	Facility QA Report: Area wide sources have been removed from these reports.
36	Process Summary Report: Changed title and process units label.
37	Added the following items to the prioritization report: 1) date that the report was created; 2) HARP version number; 3) the receptor proximity in meters; 4) and indication of whether the receptor proximity was calculated by HARP or entered by the user; 5) the name and UTM coordinates of the receptor used to do the calculation.
38	Added the following items to all Point Estimate Risk Reports: 1) any changes made in the emissions tab; 2) an echo of the emissions file (*.ems); 3) projection and UTM coordinate information; 4) exception report to header of all other reports if there are exceptions; 5) site parameters report to all reports from stochastic window.
39	Point Estimate Risk Reports: Removed the “total” column from the Point Estimate Risk reports that are created by selecting “include breakdown by chemical” and “include dose & HQ by pathway.”

40	Added to all Stochastic Point Estimate Risk Reports: All of the same information that is listed in the reports created in the Point Estimate Risk Reports window.
41	Added the following items to the Statistical Summary Report: 1) The Averaging Period Adjustment Factors (APAF); and 2) the APAF file name; 3) Receptor number if appropriate; 4) GLCs used in the analysis; 5) Chemicals used in the analysis; 6) Need to know if the GLCs were edited by a user; 7) A memo field so the user can write a description regarding the location or identifier for the analysis; 8) List what chemicals were deleted and added
42	Refined Acute Analysis Report: Added new report for refined acute risk output that looks like simple acute risk output.
43	Refined Acute Analysis Report: Corrected the handling the dioxins and furans. The problem was that the commas in the chemical name interfered with correct reading of comma-delimited output file.